

ABSTRACT

An apparatus and method for the phototherapy of different skin conditions, particularly acne vulgaris and seborrhea. The invention consists of a combined treatment with violet/blue light source with a spectral emission in the range of 405-440 nanometer and possible additional spectral bands in the green and red part of the spectrum and the topical application of oxygen transporting compounds, and/or a methylene blue solution. The apparatus includes at least one narrow spectral band light source with spectral emittance concentrated in the violet/blue spectral band and an optical system for controlling spectra and beam parameters of said light source and a mechanical fixture for holding the said light source at an adjustable distance and direction related to the skin treated area, and an electronic unit to control the duration and power and spectral bands of the emitted radiation.